

Fixed Machined Contact Connector

- Standards:
- UL File: E119881
 - Connectors according to MIL C24308

SPECIFICATIONS:

MATERIALS AND PLATINGS

Shells	Steel yellow chromated over zinc or tinned steel with or without dimples on plug connector
Insulator	Glass-filled thermoplastic, UL 94V-0
Rear Insert	Brass, 118µ" up to 197µ" (3µm up to 5µm) tinned over nickel 78µ" up to 118µ" (2µm up to 3µm)
Boardlock	Tin-lead plating 157µ" up to 236µ" (4µm up to 6µm) over nickel
Screwlock	78µ" up to 118µ" (2µm up to 3µm) Brass, 236µ" up to 394µ" (6µm up to 10µm) tinned over nickel 78µ" up to 118µ" (2µm up to 3µm)
Contacts	D: brass DF: pin = brass Socket = copper alloy
Right Angle Version	Selective gold in mating area over 78µ" up to 118µ" (2µm up to 3µm) nickel; 118µ" up to 197µ" (3µm up to 5µm) tin-lead on termination area over 78µ" up to 118µ" (2µm up to 3µm) nickel
Straight Version	Full gold plating over 78µ" up to 118µ" (2µm up to 3µm) nickel

ELECTRICAL DATA

Current Rating	7.5 A
Voltage Rating	300 V AC/rms 50Hz
Withstanding Voltage	1000V AC/rms 50Hz for one minute
Insulation Resistance	5000MΩ
Contact Resistance	D: 8.5mΩ max. DF: 5mΩ max.

CLIMATIC DATA

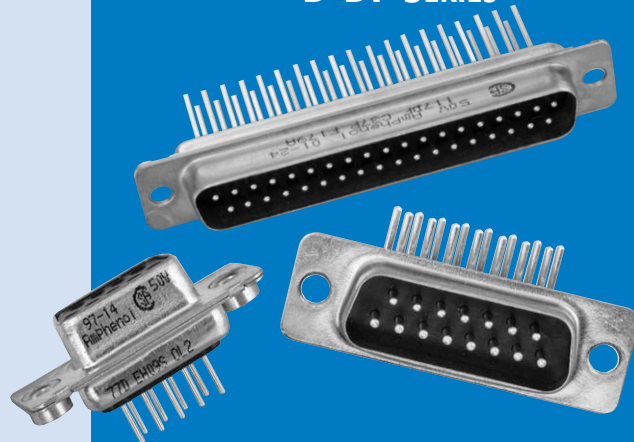
Operating Temperature	D: -67°F (-55°C) to +185°F (85°C), peak at 257°F (125°C) DF: -67°F (-55°C) to + 257°F (125°C)
-----------------------	--

MECHANICAL DATA

No. of Contacts	Mate (max.)	Unmate (min.)
9 (size E)	6.74 (3.05)	0.79 (0.36)
15 (size A)	11.24 (5.09)	1.01 (0.46)
25 (size B)	18.66 (8.44)	1.8 (0.81)
37 (size C)	27.65 (12.51)	2.47 (1.1)
50 (size D)	32.38 (14.65)	3.56 (1.6)

INCHES (MM)

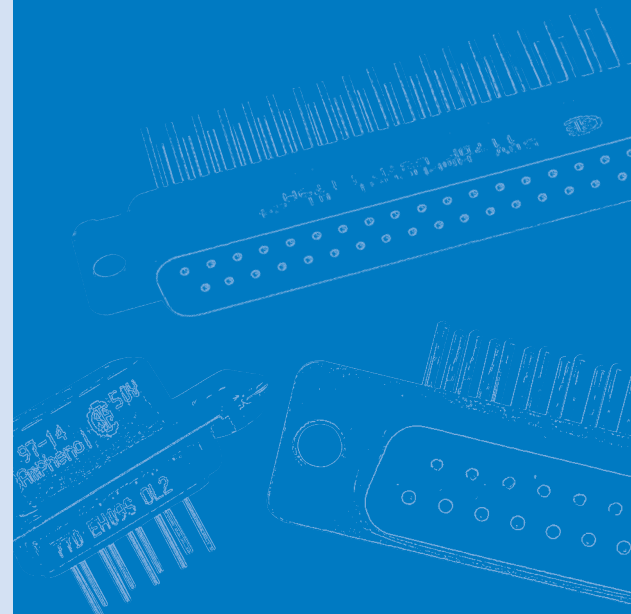
D-DF SERIES

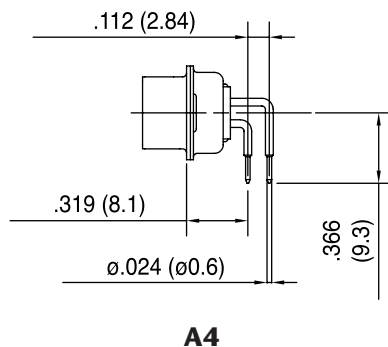
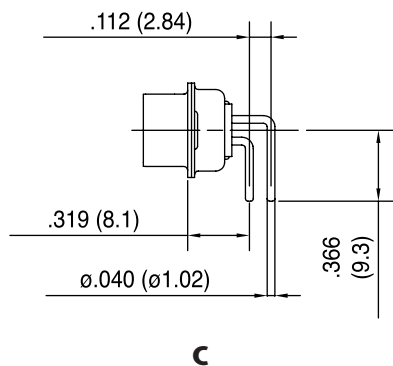
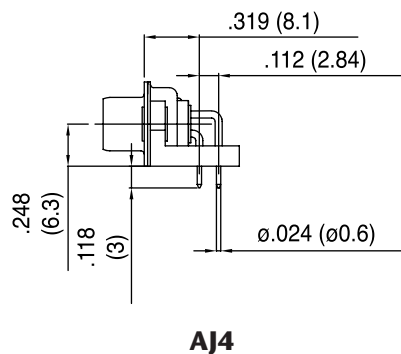
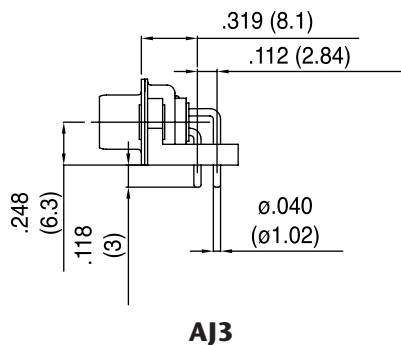
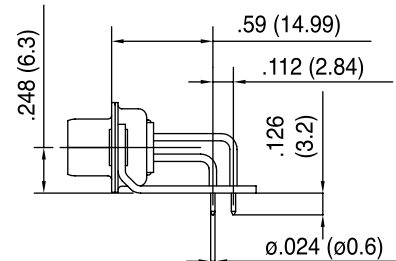
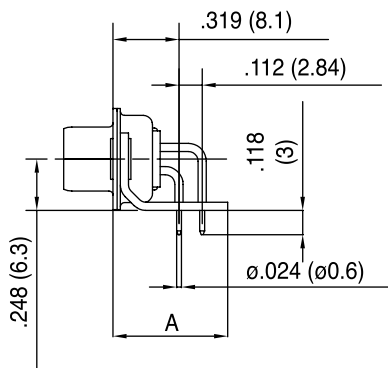
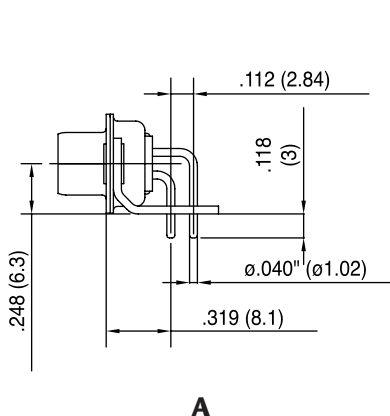


The Amphenol SD series features precision formed contacts, and 4 finger boardlocks.

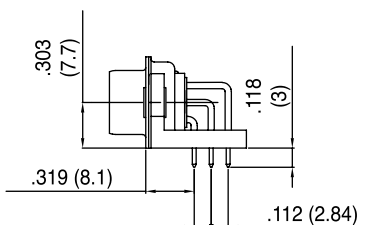
This series gives you Amphenol's high standards of quality and reliability to meet all of your commercial requirements.

- Industrial
- Telecom
- Any industry standard I / O connections

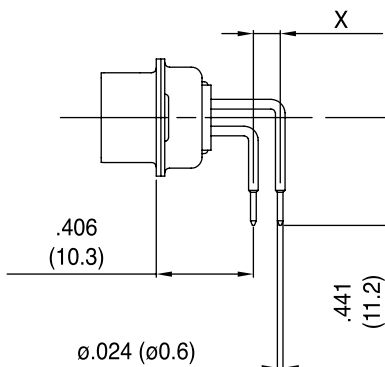


Without bracket*Plastic bracket**Metal bracket*

AM4 : A=.519 (13.2)
AZ4 : A=.453 (11.5)

50 contacts

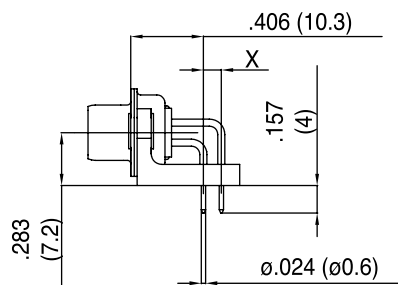
Without bracket



1AON : X= .100 (2.54)

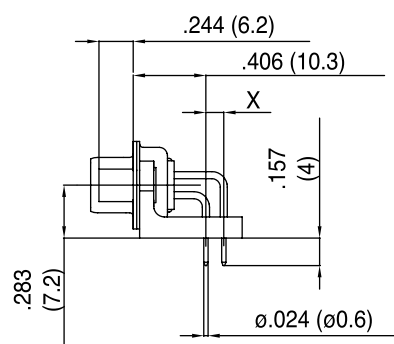
1BON : X= .112 (2.84)

Plastic bracket



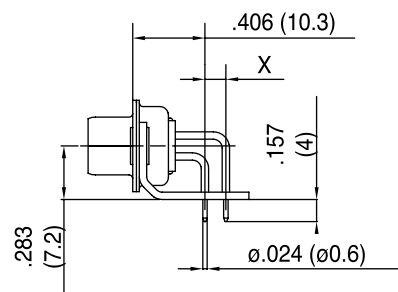
1APN : X= .100 (2.54)

1BPN : X= .112 (2.84)



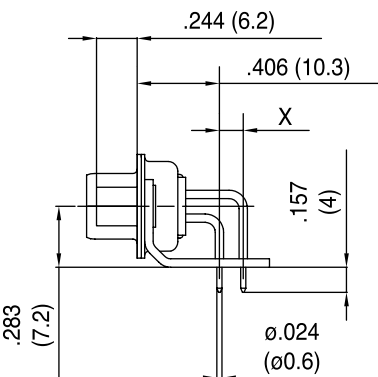
1AUN : X= .100 (2.54)

1BUN : X= .112 (2.84)



1AMN : X= .100 (2.54)

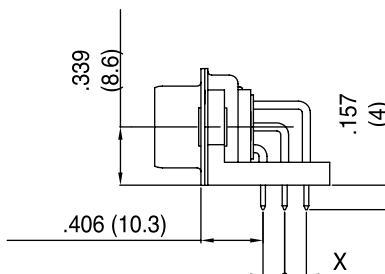
1BMN : X= .112 (2.84)



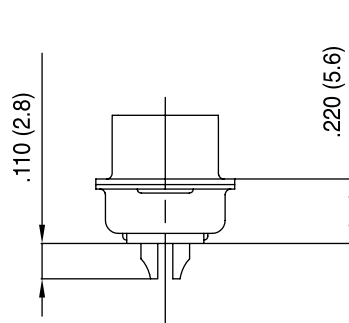
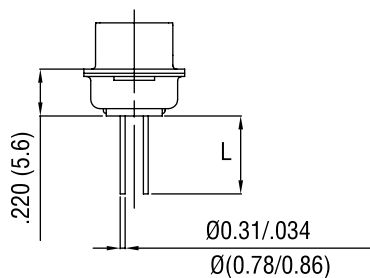
1ATN : X= .100 (2.54)

1BTN : X= .112 (2.84)

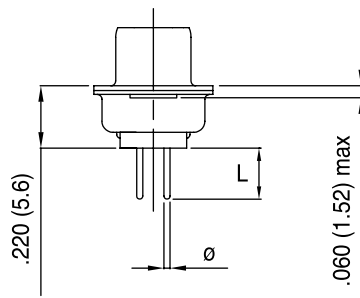
50 contacts



INCHES (MM)

Solder cup*Wire Wrap*

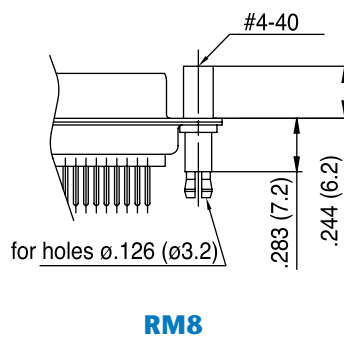
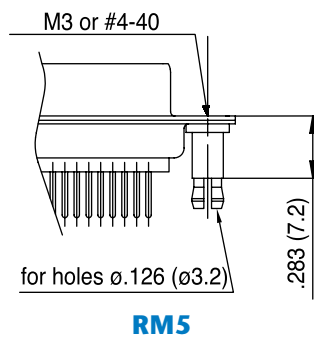
Termination	Nb of wraps	L
F179	2	.378 (9.6)
F179A	3	.512 (13)

Straight PCB

Termination	Ø	L
U	.024 (0.6)	.126 (3.2)
V	.040 (1.02)	.095 (2.4)
T	.024 (0.6)	.157 (4)
OL2	.02 (0.6)	.217 (5.5)

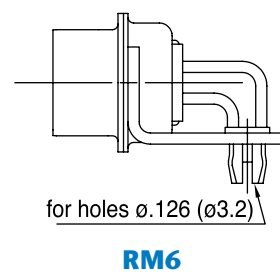
Grounding tabs

For straight termination

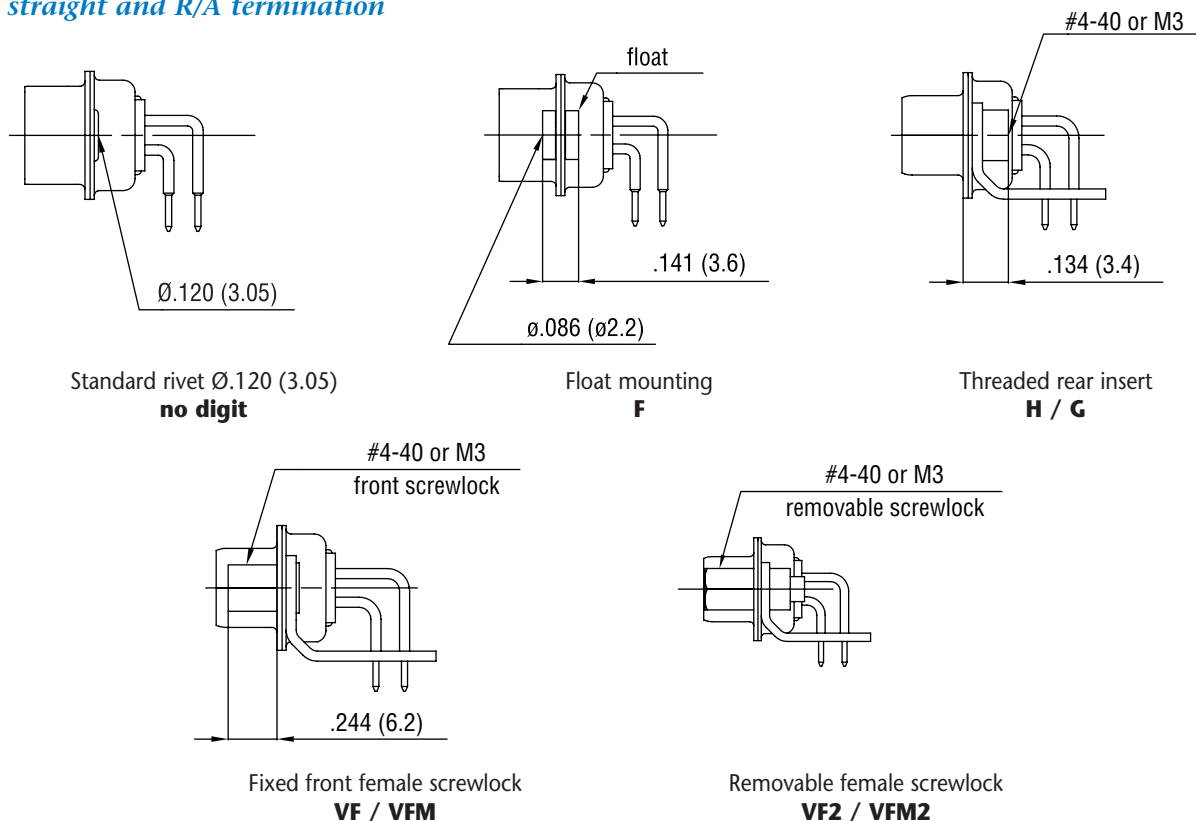


For R/A termination

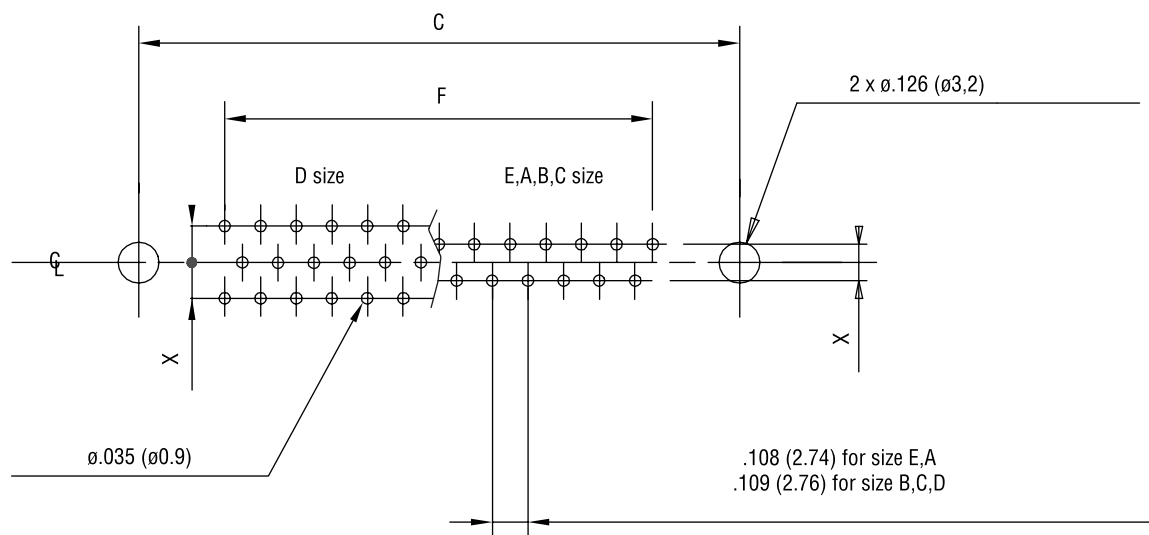
FOR PCB .062 (1.6)



For straight and R/A termination



RECOMMENDED PCB LAYOUT



For straight PCB: X = .112 (2.84)

For right angle PCB: MIL: X = .112 (2.84)

European: X = .100 (2.54), .112 (2.84) in option

	size E	size A	size B	size C	size D
C ± .004 (0.1)	.984 (25)	1.311 (33.3)	1.85 (47)	2.5 (63.5)	2.406 (61.1)
F ± .002 (0.05)	.431 (10.96)	.755 (19.18)	1.304 (33.12)	1.956 (49.68)	1.74 (44.2)

INCHES (MM)

ORDERING INFORMATION

XXXXXX X X XX X XXXXXX XXXX X

8μ" (0.2μm)	17D: yellow chromated shell 77D: tinned shell for receptacle 717D: tinned shell + dimples for plug
20μ" (0.5μm)	17DF: yellow chromated shell 77DF: tinned shell for receptacle 717DF: tinned shell + dimples for plug
30μ" (0.76μm)	117DF: yellow chromated shell 177DF: tinned shell for receptacle 777DF: tinned shell + dimples for plug

Shell size: E, A, B, C, D

Mounting Options:

H rear insert 4-40
 G rear insert M3
 F float mounting
 no digit standard rivet .122 (ø 3.1)
 *H, G must also be used to specify the threading of RM5 grounding tabs.

Configuration: 09, 15, 25, 37, 50

Contact type:

P pin
 S socket

For specific product

Grounding tabs:

RM5 for straight PCB mounting*
 RM8 for straight PCB mounting + female lock
 RM6 for right angle PCB mounting
 VF front screwlock 4-40
 VFM front screwlock M3
 VF2 removable screwlock 4-40
 VFM2 removable screwlock M3

Termination:

solder cup: no digit

Wire Wrap:

F179 length .378 (9.6)
 F179A length .512 (13)

Straight PCB:

U length .126 (3.2) tail ø.024 (ø0.6)
 V length .094 (2.4) tail ø.040 (ø1.02)
 T length .157 (4) tail ø.024 (ø0.6)
 OL2 length .216 (5.5) tail ø.024 (ø0.6)

Right Angle Connector:

MIL footprint

without bracket: C tail ø.040 (ø1.02)
 A4 tail ø.024 (ø0.6)
 plastic bracket: AJ3 tail ø.040 (ø1.02)
 AJ4 tail ø.024 (ø0.6)
 metal bracket: A tail ø.040 (ø1.02)
 AM4 A ø.519 (13.2)
 AZ4 A ø.453 (11.5)
 AM4B footprint ø.590 (14.99)

European footprint

without bracket: 1AON X .100 (2.54)
 1BON X .112 (2.84)
 plastic bracket: 1APN X .100 (2.54)
 1BPN X .112 (2.84)
 1AUN X .100 (2.54)
 1BUN X .112 (2.84)
 metal bracket: 1AMN X .100 (2.54)
 1BMN X .112 (2.84)
 1ATN X .100 (2.54)
 1BTN X .112 (2.84)

: Standard options

For special request, please consult factory

For Filtered D-Sub, see page 56.



**Стандарт
Электрон
Связь**

Мы молодая и активно развивающаяся компания в области поставок электронных компонентов. Мы поставляем электронные компоненты отечественного и импортного производства напрямую от производителей и с крупнейших складов мира.

Благодаря сотрудничеству с мировыми поставщиками мы осуществляем комплексные и плановые поставки широчайшего спектра электронных компонентов.

Собственная эффективная логистика и склад в обеспечивает надежную поставку продукции в точно указанные сроки по всей России.

Мы осуществляем техническую поддержку нашим клиентам и предпродажную проверку качества продукции. На все поставляемые продукты мы предоставляем гарантию .

Осуществляем поставки продукции под контролем ВП МО РФ на предприятия военно-промышленного комплекса России , а также работаем в рамках 275 ФЗ с открытием отдельных счетов в уполномоченном банке. Система менеджмента качества компании соответствует требованиям ГОСТ ISO 9001.

Минимальные сроки поставки, гибкие цены, неограниченный ассортимент и индивидуальный подход к клиентам являются основой для выстраивания долгосрочного и эффективного сотрудничества с предприятиями радиоэлектронной промышленности, предприятиями ВПК и научно-исследовательскими институтами России.

С нами вы становитесь еще успешнее!

Наши контакты:

Телефон: +7 812 627 14 35

Электронная почта: sales@st-electron.ru

Адрес: 198099, Санкт-Петербург,
Промышленная ул, дом № 19, литера Н,
помещение 100-Н Офис 331